In the Claims

Claims 1-19 (canceled).

Please cancel claims 20-23, without prejudice.

Please add the following new claims:

24. (New) A regenerated cotton plant selected from the group consisting of (1) a plant of a Class 2 *Gossypium* genotype transformed to contain selected foreign DNA and having a phenotype conferred by said foreign DNA by which said cotton plant can be distinguished from naturally-occurring cotton plants, and (2) descendants of said cotton plant having said distinguishing phenotype.

25. (New) A transgenic cotton plant according to claim 24 comprising an insecticide gene under control of a plant-expressible promoter wherein said insecticide structural gene encodes the amino acid sequence of Figure 1 (SEQ ID NO:2) and is expressed under control of said promoter such that tissues of said plant are toxic to insects.

26. (New) A process for regenerating a whole plant of the genus *Gossypium* comprising:

(a) culturing tissue from a plant of said genus on a callus initiation medium having a high cytokinin/auxin ratio to proliferate callus;

(b) culturing the callus of step (a) on a somatic embryo induction medium having a high auxin/cytokinin ratio to produce embryogenic calli;

(c) culturing the embryogenic calli of step (b) on suitable media for production of somatic embryos, embryo maturation, embryo germination and plant regeneration.

27. (New) The process of claim 26 in which the plant is a Class 2 cultivar.

28. (New) The process of claim 26 in which the auxin is NAA.

29. (New) The process of claim 26 in which the cytokinin is 2iP.

30. (New) The process of claim 26 in which the somatic embryo production medium of step (c) is a phytohormone-free medium.

31. (New) The process of claim 26 in which said tissue is taken from seedlings.

32. (New) The process of claim 31 in which said tissue comprises cotyledon tissue.

33. (New) The process of claim 31 in which said tissue comprises hypocotyl tissue.

34. (New) The process of claim 26 in which said tissue is taken from immature embryos.

35. (New) The process of claim 26 in which the embryo maturation medium of step (c) contains no phytohormones.

36. (New) The process of claim 26 in which the embryo maturation medium of step (c) contains zeatin, NAA and a gibberellin.

37. (New) The process of claim 26 in which the embryo germination medium of step (c) comprises GRM_{pn}.

38. (New) The process of claim 26 in which the plant regeneration medium of step (c) comprises □ C_0.

39. (New) The process of claim 26 in which the plant regeneration medium of step (c) comprises GRM_{gn}.

40. (New) The process of claim 26 in which said tissue is transformed to contain selected foreign DNA.

41. (New) The process of claim 40 in which said tissue is transformed by contacting it with *Agrobacterium* containing said foreign DNA.

42. (New) The process of claim 40 in which a whole plant containing foreign DNA is regenerated.

43. (New) The process of claim 40 in which said plant expresses said foreign DNA.

44. (New) A plant produced by the method of claim 41 having a phenotype conferred by said foreign DNA by which said plant can be distinguished from a naturally-occurring plant.

45. (New) A seed of a plant of claim 44.

46. (New) In a method for regenerating a cotton (*Gossypium*) plant comprising culturing somatic tissue thereof on suitable media to cause callus formation and whole plant regeneration, the improvement comprising using somatic tissue of a Class 2 genotype of a *Gossypium* species and culturing on a callus initiation medium having a high cytokinin/auxin ratio followed by culturing on an embryo induction medium having a high auxin/cytokinin ratio.